

SELF ADJUSTING SOLENOID DRIVER AND METHOD

Abstract of the Disclosure

5 A fluid dispenser having a dispensing valve movable between open and closed positions for controlling the flow of the fluid from the fluid dispenser. A solenoid is operatively connected to the dispensing valve and is capable of moving the dispensing valve between the open and closed positions. The fluid dispenser further includes a power supply having a voltage and a driver circuit electrically connected to the solenoid and the power supply. The driver circuit provides an output signal to the solenoid having a time variable component, for example, a peak current duration, determined as a function of the voltage of the power supply. Thus, the driver circuit automatically adjusts to, and can be used with, power supplies of different voltages. The invention further includes a method by which the driver circuit provides the output signal as a function of the power supply voltage.

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